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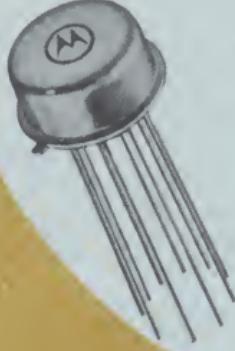
**HERE'S WHAT'S NEW**

IN MONOLITHIC  
INTEGRATED  
**AMPLIFIER**  
CIRCUITS

**FROM MOTOROLA**

MR. T. H. NELSON, SYS. ENGR.  
I  
INTERLOCKING SYSTEMS COMPANY  
P.O. BOX 1546  
POUGHKEEPPSIE, NEW YORK 12605

# NEW STATE-OF-THE-ART MONOLITHIC INTEGRATED AMPLIFIER CIRCUITS



TYPE MC1533G

## NEW MOTOROLA

HIGH-GAIN OPERATIONAL AMPLIFIER with extremely low drift ( $\pm 3 \mu\text{V}^\circ\text{C}$ )

- open loop gain — 60,000
- high-input impedance —  $Z_{in} = 1$  megohm
- adjustable input offset
- large output voltage swing — 13 volts ( $\pm V = 15$  volts) with 2K load

FOR LOW-LEVEL SENSING EQUIPMENT, ANALOG COMPUTATION SYSTEMS



TYPE MC1540G

## NEW MOTOROLA

HIGH SPEED CORE MEMORY SENSE AMPLIFIER with adjustable threshold voltage

- fast recovery time —  $t_r = 40$  ns
- saturated logic output signal
- narrow uncertainty region — 6 mV
- high sensitivity —  $V_{th} = 17$  mV (adjustable)

FOR CORE MEMORY SIGNAL SENSING SYSTEMS



TYPE MC1550G

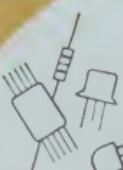
## NEW MOTOROLA

RF-IF CASCADE AMPLIFIER with excellent AGC performance

- very low internal feedback
- high power gain — 25 dB @ 60 MHz
- constant input impedance over AGC range
- low noise figure — 5 dB @ MHz

IDEAL FOR NEWEST COMMUNICATION EQUIPMENT DESIGNS

For OFF-THE-SHELF DELIVERY, call . . .



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